



Plus 48

Universal Programming System

1-800-3-DATAIO
www.dataio.com



- **Compact hardware design complete with integral 48-pin DIP socket.**
- **48 universal analog/digital pindrivers.**
- **Programs memory, microcontroller and logic devices.**
- **Industry-standard TaskLink for Windows software enhances the quality and efficiency of your device programming operation.**
- **Partnerships with major semiconductor companies ensure a wide range of device support, especially for new devices.**
- **Low-voltage programming supports voltages down to 1.8 volts allowing you to program the newest devices on the market.**
- **Adding additional "DIP-To-Package" adapters provides flexible, highly reliable support for SOICs, TSOPs, PGAs, QFPs, μ BGAs and other packages up to 48 pins.**
- **Comes standard with one year of device support updates.**

The Plus 48™ with its integral 48-pin DIP socket can handle the device programming requirements of both engineering and low-volume manufacturing.

With 48 universal analog/digital pindrivers and a 48-pin DIP socket, the Plus 48 reliably programs memory, microcontroller and logic devices from 8 to 48 pins. For other packages, you can expand the Plus 48's device support with economical "DIP-To-Package" adapters from Data I/O® and third party vendors.

Easy, Efficient Control with TaskLink for Windows

To streamline system setup and control, the Plus 48 programmer features powerful TaskLink™ for Windows® software. TaskLink's intuitive user interface guides you through every programming step, from device selection to data file download and parameter setup. You can also pre-configure programming parameters for specific jobs and save them as Task or Kit files, making repeat programming easier and more efficient. TaskLink can even capture production statistics, helping you analyze and improve the quality and productivity of your programming processes.

For complete information on any Optima™ programming system, please visit our Web site or contact your local Data I/O sales representative.



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Specifications

Device Support

- Memory: Flash, PROMS, EPROMS, EEPROMS,
- Logic: FPGAs, PLDs, PALs, EPLDs, CPLDs
- Microcontrollers
- Low-voltage support

Package Support

- 48-Pin DIP socket standard
- PLCC, SOIC, TSOP, PGA, QFP, μ BGA and others with optional "DIP-To-Package" adapters

Standard Features/Accessories

- TaskLink for Windows
- One year of software and device support updates
- 12 month warranty
- Power supply

Optional Features

- Data I/O or third party "DIP-To-Package" adapters

System Requirements

- Microsoft Windows 95B, 98, Windows NT, 2000
- 75 MB hard disk space
- CD Rom drive
- Parallel port
- Mouse
- VGA monitor

Operational Requirements

- Operating voltages: 100-250 VAC \pm 10%
- Frequency range: 50-60 Hz
- Power consumption: 25 VA max

Size

- 8.3 \times 7.1 \times 3.5 inches
(21 \times 18 \times 9 cm)

Weight

- 4.0 lbs. (1.8 kg)

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